

ABSTRACT OF THE INVENTION

A Restorable Vehicle Occupant Safety System to replace present pyrotechnic airbag systems. The system is comprised of an air pressure storage vessel 21 that is fluidly connected to an air distribution manifold 36, electronic sensors that preclude an impending crash, valves which are sensor activated to inflate airbags for driver, passenger, knee bolster, side impact, and rollover units as well as seatbelt pre-tensioning units. The present system will safely deploy the airbags in a substantially safe increment of time before a crash condition and restore the airbags to their original position in the event the crash condition does not occur.